



Westbuild PRO™

Wet Area Waterproofing

Polyurethane (PU) modified, permanently flexible, rapid drying, class III waterproof membrane.

Westbuild PRO™ Wet Area Waterproofing is highly flexible to accommodate structural movement. It is a PU modified single component membrane designed for use under tile and in wet area applications.

Westbuild PRO™ Wet Area Waterproofing is the ideal waterproofing membrane for use prior to tiling with Westbuild tile adhesives and guarantees a complete system.

Westbuild PRO™ Wet area waterproofing is compliant with the following standards:

*AS4858:2004, AS3740:2010, AS4654, Low VOC Green Star IEQ V2 2013,
Green Star Office V2/V3, APAS 181, AS4020:2005*

Advantages

- Permanently flexible.
- Excellent adhesion to a wide variety of substrates.
- Dries to a keyed finish to promote adhesion.
- Fast recoat and drying times.
- Suitable for use in conjunction with all cement based tile adhesives that conform to AS2358.
- Low VOC content.



Product Attributes

<u>Uses</u>	All Internal wet areas. Showers, bathrooms and laundries. All External areas including balconies, podiums, terrace floors and decks.
<u>Substrates</u>	Concrete, render and masonry. Plaster board, fibre cement and structural sheeting. Wet area timber sheeting and external grade plywood. Aerated concrete panels and blocks. For more information on suitable substrates or substrates that are not listed above, please contact a Westbuild representative.
<u>Performance</u>	Civil, commercial and industrial.
<u>Colour</u>	Orange



Packaging 12L Pail. 24 or 48 pails per Pallet.

Coverage Apply product at a minimum of 2 coats and at a total minimum coverage of 2m² per litre. 11.8m² total coverage based on two coats / 15kg.

Number of Coats	2
Coverage	2m ² / Litre
Total Coverage	11.8m ² / 15kg Pail (Based on 2 Coats)

Shelf Life & Storage Store unopened product in a cool, dry place away from direct sunlight.

Technical Data

Product Identity

Form Liquid
Colour Orange

Typical Performance

Properties	Measurement/Standard	Test Results
Adhesion	AS1580.408.5	Concrete – 1.5N/mm ² Fibre Board – 2.0N/mm ² Plywood – 1.8N/mm ² Lightweight Block – 0.5N/mm ² Brick – 2.5N/mm ² Steel – 1.6-3.0N/mm ²
Water Vapour Transmission	ASTM E96	1g/m ² /24 hours
Hardness	ASTM D2240	29A
Elongation	AS4858	317%
Flexibility	AS1580.402.1	2mm
VOC		1.6%
Tensile Strength	AS4858 A1(a)	1.6-1.9 MPa
Chemical Resistance	7 Day Immersion	Dilute Acids – Good Dilute Alkali – Good Salt Solutions – Good
Water Absorption	AS 3558.1	2.73%



Installation

Suitability Assessment It is recommended before commencing the application, applicators should determine the suitability of a product for the intended use, over a typical area to ensure satisfactory adhesion. It is the responsibility of the applicator to perform this assessment and accept the substrate suitability before any application starts. Details contained in the data sheet are general. For any situation or items not covered in this data sheet, it is the responsibility of the applicator to contact Westbuild for further advice.

Application Conditions All surfaces should be dry prior to waterproofing. A moisture test should be conducted and levels should not exceed 15% moisture content.

Application temperature should be between the range of 7°C - 35°C, and do not apply if relative humidity is above 85% during initial cure phases, or if rain is expected before cure.

Note: In humid conditions, air flow should be maximised with the use of fans to assist cure.

Surface Preparation Surface preparation is vital for optimum adhesion and results.

Building surfaces must be constructed to manufacturer's recommendations and relevant building standards in force at time of membrane application.

Ensure all substrates are structurally sound. Any structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods.

Masonry surfaces should be flush pointed and all high points and protrusions removed, blow holes and areas of honeycombing should be filled and the surface should be brought back to an even profile using a suitable Westbuild Repair Mortar.

Substrates must have a compressive strength of minimum 25MPa, and cohesive strength a minimum of 1.5MPa.

Thoroughly clean old surfaces or new surfaces (that have been treated) prior to coating.

Surfaces should be free from any laitance, oil, grease, curing compounds or release agents and any loose, foreign material.

All surfaces should be dry prior to waterproofing.

For maximum membrane adhesion, priming with Westbuild PRO™ General Purpose Primer is highly recommended.

Due to a wide variety of substrates, refer to our website, or contact Westbuild for further preparation advice.

Primer Westbuild PRO™ General Purpose Primer.

Brush or roller the primer to total surface area with a minimum coverage of 1 litre per 6m² and allow drying for 30 minutes prior to over-coating.

Membrane Application Apply a bond breaking sealant to all internal angles/corners (wall & floor junction) and vertical angles/corners (wall & wall junction) as per standard.

Apply Westbuild PRO™ Wet Area Waterproofing with a suitable brush and/or roller that promotes correct coverage and minimizes pin holing.



Apply the first coat of Westbuild PRO™ Wet Area Waterproofing as per recommended coverage rate. Work from corners to central areas and allow to dry.

If only a bond breaking sealant has been used, it is recommended to install Westbuild PRO™ PolyWEB to all joints and corners in conjunction with first coat of Westbuild PRO™ Wet Area Waterproofing.

Apply second coat of Westbuild PRO™ Wet Area Waterproofing as per recommended coverage rate, at 90° to the first coat.

Allow to cure for a minimum of 24 hours, before the application of a screed or the commencement of tiling.

If pond testing is required, allow to dry for a minimum 48 hours (depending on weather conditions) to ensure adequate curing. Pond test with water to a depth of 25mm for 2 hours. After testing ensure area is drained and dried.

Installing Westbuild PRO™ PolyWEB Reinforcing Bandage

Placing Westbuild PRO™ PolyWEB

Wall / Floor Junctions

Measure and cut the joint band for all wall / floor junction areas. Apply the first coat of membrane to approximately 150mm extending up walls and on to floors. Westbuild PRO™ PolyWEB needs to be embedded into the wet bed of liquid membrane, ensuring fabric edges are fully wet out and no air bubbles exist behind the fabric. At sections where Westbuild PRO™ PolyWEB is to be joined, a minimum 50mm overlap is required.

Corners

Westbuild PRO™ PolyWEB is to have bottom leg cut and folded ensuring fabric is completely bonded with the membrane.

Protruding Floor Pipes

Collars are to be fitted over the neck of the pipe, embedding fabric edges into the wet membrane bed. For floor wastes that are finished level with the floor, it is essential Westbuild PRO™ PolyWEB is embedded and dressed down into the waste outlet at a minimum length of 50mm.

Applying 2nd Coat of Membrane

Once Westbuild PRO™ PolyWEB is correctly in place, apply the 2nd coat of membrane to the total floor area and to walls at 150mm high in general wet areas and balcony decks, and at 1.8m high in shower alcoves. A continuous seamless membrane should be the final finish to the total area upon completion of the waterproofing membrane application.

Detailing

Voids, Gaps and undulating surfaces	Filled and repaired with a suitable Westbuild Repair Mortar
Cracks up to 1.0mm	Filled with a flexible sealant (paintable sealant)
Cracks greater than 1.0mm	Filled with a flexible sealant, followed by Westbuild PRO™ PolyWEB
Movement or expansion joints	Westbuild PRO™ PolyWEB
Penetrations, pipes, drains	Westbuild PRO™ PolyWEB



Tiling & Surface Toppings

It is recommended when tiling directly over the Westbuild PRO™ Wet Area Waterproofing membrane in internal and external floor areas, that Westbuild tile adhesives are used as a complete and harmonious system. All Westbuild tile adhesives conform to AS2358.

If applying a screed, render or concrete topping over the membrane, it is recommended to incorporate Westbuild PRO™ Flexible Additive and Fortifier as a proprietary agent to improve the durability, strength and adhesion.

Pre-mixed tile adhesives are not recommended to be used over Westbuild PRO™ Wet Area Waterproofing.

Based on normal conditions and at 20°C.

Wet Film (per coat)	500 microns
Re-Coat	2 – 4 hours
Dry Film	24 hours
Tile / screed / overcoat	Minimum 24 hours
Full cure	7 Days

**The application must comply with AS3740.*

Cleaning

Clean up with water only while the material is still wet.

Maintenance Schedule & Repair

Westbuild PRO™ Wet Area Waterproofing must be protected from damage by after trades and inspected prior to the application of any over coat.

Moisture blisters and bubbles may be repaired by cutting out the affected area, allowing substrate to properly dry and reapplication of membrane as per recommended coverage rates.

Protect Westbuild PRO™ Wet Area Waterproofing membrane from harsh chemicals, abrasion and other potentially damaging conditions.

Attention

NOT to be used as a trafficable surface or exposed membrane, nor designed for long term UV exposure

Do NOT apply when surface temperature is below 7°C or above 35°C.

NOT to be applied over glass or glazed surfaces.

NOT to be applied when rain is imminent.

Allow 7 days drying after final application if treated area is to be flood tested.

NOT to be used in areas subject to negative hydrostatic pressure.

Safety Precautions

Westbuild PRO™ Rapid Drying Wet Area Waterproofing SDS is available from our website (www.westbuildgroup.com) or Westbuild upon request.

Ensure good ventilation and avoid inhaling vapours. Avoid skin and eye contact. Wear gloves and eye protection. Remove splashes on skin immediately and remove contaminated clothing.

Keep out of reach of children.

Keep container sealed when not in use.

Do not swallow.



First Aid

If poisoning occurs, contact a doctor or poisons information centre: Ph. 13 11 26.
If swallowed, do not induce vomiting. Give a glass of water to drink.
If in eyes, hold eyes open and flood with water for at least 15 minutes.
If not breathing, apply artificial respiration.

Technical/Safety Data

TECHNICAL DATA SHEETS (TDS) AND SAFETY DATA SHEETS (SDS) are available on request and should always be referenced before handling this product and before the commencement of any works. A WESTBUILD Representative is always available should you require further information. Visit our website for further information on the use of this product and suitability for your application.

Warranty

All Westbuild products are designed for use together as a complete system providing a guarantee our products will perform harmoniously and to specification.

Our warranties demonstrate our ongoing commitment to the performance of our products and a promise of exceptional quality control.

Related Products

Westbuild PRO™ PolyWEB
Westbuild PRO™ General Purpose Primer

Any advice, recommendation, information, assistance or service provided by Westbuild® in relation to its products or their use is given in good faith, however is provided without responsibility or liability. Customers need to undertake their own assessment to determine the suitability of a product for the intended use. As the performance of any product is subject to a wide variety of different surface types as well as environmental and surface-specific conditions, it is essential that a sample of the product be applied to the intended area of use to ensure it is acceptable in appearance and finish and that it performs as required on the specific surface.

Westbuild® also reserves the right to update information without prior notice, to reflect ongoing research and product development.

It is the responsibility of the user to ensure that products are used in accordance with the Westbuild Products Pty Ltd instructions for use, and Australian Standard procedures in applications for which they are intended. Westbuild Products Pty Ltd and its associated companies cannot guarantee and are not liable for the use of their products outside of Australian Standards guidelines and the Westbuild Products Pty Ltd instructions for use. The technical details and recommendations contained in this data sheet are given in good faith and represent the best of our knowledge at time of printing. Freedom from patent restrictions should not be assumed.

WESTBUILD CONTACT DETAILS
PHONE: 08 9309 2029
FAX: 08 9302 1129
Email: technical@westbuildgroup.com